

**GENERIC NAME:**

**NALOXONE HCl**

112.20

**BRAND NAME:** Narcan

**CLASS:** narcotic (opioid) antagonist

**Mechanism of Action:**

Competitive inhibition at narcotic receptor sites  
Reverses respiratory depression secondary to narcotics

**Indications and Field Use:**

**Antidote for:** Opioid overdoses  
May differentiate opioid-induced coma from other causes

**Contraindications:**

Hypersensitivity

**Adverse Reactions:**

Withdrawal symptoms, especially in neonates (nausea, vomiting, diaphoresis, increased heart rate falling blood pressure, tremors).  
> **Be prepared for combative patient after administration.**

**NOTES ON ADMINISTRATION**

**Incompatibilities/Drug Interactions:**

Should not be mixed with other drugs

**Adult Dosage:**

**IV, IM, inject SL, SC, ET:** 2.0 mg initial bolus IV or ET, may repeat every 2 minutes as necessary; titrate to effect.

**Intra-nasal:** 1.0 mg each nostril using a Mucosal Atomizer Device for a total of 2 mg. May repeat every 2 minutes as necessary. Titrate to effect.

**\*\* Continuous IV Infusion:** 2/3 of the initial bolus/hr (bolus that it took to reverse) administered as a continuous infusion; i.e., if 2 mg Narcan resulted in opioid reversal initially, then it can be maintained by continuous infusion of 1.4 mg/hr. Put 1.4 mg Narcan in 250 ml NS and run at 250 ml/hr. A repeat IV bolus of 2 the initial bolus administered 15 minutes after the initial bolus is recommended.

**Pediatric Dosage:**

**≤ 5 years or < 20 kg:** 0.1 mg/kg IV, ET, inject SL, SC, IO (includes neonate)  
**≥ 5 years or > 20 kg:** 2 mg IV, ET, inject SL, SC or IO

**Routes of Administration:**

IV, ET, SC, inject SL, IO or constant IV infusion

**Onset of Action:**

IV -- within 2 minutes

**Peak Effects:**

Variable

**Duration of Action:**

Approximately 45 minutes

**Dosage Forms/Packaging:**

0.4 mg/ml: 1 ml ampule; 1 ml, 10 ml vials  
1 mg/ml: 1 ml, 2 ml ampules; 1ml, 5ml, 10 ml vials

**Arizona Drug Box Supply Range:**

PARAMEDIC: 10 mg total  
INTERMEDIATE: 10 mg total

**Special Notes:**

- > Opioid drugs include heroin, Dilaudid, morphine, meperidine, codeine, methadone, Lomotil, Darvon, Darvocet, Talwin and others. Large amounts of the drug may be needed for Darvon, Darvocet, and Methadone.
- > If Naloxone HCl is not available, use Nalmefene HCl (2 mg/2mL).
- > For adult intra-nasal administration, 1 mg/1ml is the preferred solution. 0.4 mg/1 ml may be used as an alternative.

\*\* Indicates special training requirement